

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawings submitted, 9/3/02, areA. approved by the Draftsperson under 37 CFR 1.84 or 1.152B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. A corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(i): Acceptable categories of drawings
Black ink. Color
 Color drawings are not acceptable until patent is granted
Fig(s) 4
 Pen and non black ink not permitted. Fig(s) 4
2. PHOTOGRAPHS. 37 CFR 1.84(d)
 Full tone set is required. Fig(s) _____
 Photographs may not be mounted. 37 CFR 1.84(c)
 Poor quality, dull tones. Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)
 Paper not flexible, strong, white, and durable
Fig(s) _____
 Features, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____
 Mylar, velum paper is not acceptable. Too thin
Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes
 21.0 cm by 29.7 cm (DIN size A4)
 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
 All drawing sheets not the same size
Sheet(s) _____
 Drawings sheets not an acceptable size. Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
Margins not acceptable. Fig(s) _____
 Top (T) _____ Left (L) _____
 Right (R) _____ Bottom (B) _____
6. VIEWS. 37 CFR 1.84(h).
REMINDER: Specification may require revision to correspond to drawing changes.
Partial views. 37 CFR 1.84(h)(2)
 Brackets needed to show figure as one entity
Fig(s) _____
 Views not labeled separately or properly
Fig(s) _____
 Enlarged view not labeled separately or properly
Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
 Hatching not indicated for sectional portions of an object
Fig(s) _____
 Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

COMMENTS

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

 Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(j)

 Scale not large enough to show mechanism without crowding when drawing is reduced in size to two thirds in reproduction.
Fig(s) _____10. CHARACTER OF LINES, NUMBERS, & LETTERS
37 CFR 1.84(l) Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality)
Fig(s) _____

11. SHADING. 37 CFR 1.84(m)

 Solid black areas pale. Fig(s) _____
 Solid black shading not permitted. Fig(s) _____ Shade lines, pale, rough and blurred. Fig(s) _____12. NUMBERS, LETTERS, & REFERENCE CHARACTERS
37 CFR 1.84(p) Numbers and reference characters not plain and legible.
Fig(s) 4 Figure legends are poor. Fig(s) _____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
Fig(s) _____ English alphabet not used. 37 CFR 1.84(p)(2)
Fig(s) _____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

 Lead lines cross each other. Fig(s) _____
 Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)

 Sheets not numbered consecutively, and in Arabic numerals
beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

 Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)

 Corrections not made from prior PTO-948 dated _____

17. DESIGN DRAWINGS. 37 CFR 1.152

 Surface shading shown not appropriate. Fig(s) _____
 Solid black shading not used for color contrast.
Fig(s) _____REVIEWER S. Zwick DATE 10/14/02 TELEPHONE NO. _____